P TENT COOPERATION TREAT

From the INTERNATIONAL BUREAU **PCT NOTIFICATION OF ELECTION Assistant Commissioner for Patents United States Patent and Trademark** (PCT Rule 61.2) Office **Box PCT** Washington, D.C.20231 **ETATS-UNIS D'AMERIQUE** Date of mailing (day/month/year) in its capacity as elected Office 18 October 2000 (18.10.00) International application No. Applicant's or agent's file reference PCT/KR00/00177 **EMYANGSANGTO** Priority date (day/month/year) International filing date (day/month/year) 07 March 2000 (07.03.00) 09 March 1999 (09.03.99) **Applicant** SONG, Si-Hoon 1. The designated Office is hereby notified of its election made: X in the demand filed with the International Preliminary Examining Authority on: 08 September 2000 (08.09.00) in a notice effecting later election filed with the International Bureau on:

•	. The election X was	
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	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the tim Rule 32.2(b).	ie limit under

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

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P TENT COOPERATION TREAT

From the INTERNATIONAL BUREAU

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NOTIFICATION CONCERNING AMENDMENTS OF THE CLAIMS

(PCT Rule 62 and Administrative Instructions, Section 417)

Korean Industrial Property Office 920 Dunsan-dong, So-ku 302-701 Taejon Metropolitan City RÉPUBLIQUE DE CORÉE

Date of mailing (day/month/year) 18 October 2000 (18.10.00)

in its capacity as International Preliminary Examining Authority

UT/KINGOOUT/

International application No. PCT/KR00/00177

International filing date (day/month/year)

07 March 2000 (07.03.00)

Applicant

SONG, Si-Hoon

The International Bureau hereby informs the International Preliminary Examining Authority that no amendments under Article 19 have been received by the International Bureau (Administrative Instructions, Section 417).

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WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:		(11) International Publication Number: WO 00/53541
C04B 33/04, 22/14	A1	(43) International Publication Date: 14 September 2000 (14.09.00)
(21) International Application Number: PCT/KR (22) International Filing Date: 7 March 2000 (NO, NZ, SG, TR, US, ZA, Eurasian patent (AM, AZ, BY,
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(71)(72) Applicant and Inventor: SONG, Si-Hoon [KR. Imsangdong, Iksan-si, Chollabuk-do 570-380 (K. (74) Agent: LEE, Won-Hee; Suite 805, Sung-ji Heights I Yoksam-dong, Kangnam-ku, 135-080 Seoul (KR. (54) Title: A VITAL MATTER AND A PRODUCING	R). I, 642).	16

(57) Abstract

The present invention relates to a vital matter promoting the growth, and increasing preservative capability of human body, animals and plants. The vital matter maximizes active rhythms of human body, animals and plants by inducing sympathy of energy and native wavelenghts between it and animals or plants. In addition, the present invention relates to a producing method of the vital matter composed of the following steps: 1) preparing a composition containing kaoline (white soil) 30-40 wt%, potassium sulfate 15.0-20.0 wt%, sodium sulfate 13.0-17.0 wt%, feldspar 12.0-16.0 wt%, talc 12.0-16.0% and ferric oxide 0.5-1.5 wt%; and 2) mixing the above-mentioned composition using a compressed molding method; and 3) heating the mixed composition at 1000-1300 °C. The vital matter of the present invention can be used in whole fields of industries, and will cause the original changes in the field of industrial matters, and promote the welfare of human beings such as improvement of health and life of human.

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A vital matter and a producing method

FIELD OF THE INVENTION

The present invention relates to a vital matter for human body, animals and plants promoting their growth and increasing preservative capability of animals and plants.

The present invention also relates to a producing method of the vital matter composed of natural substances and compounds by mixing at almost the same ratio as that of inorganic substances in human, animals and plants.

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The producing method of the present invention may be used in the whole field of industries such as building materials, things of life, a medical industry and a food industry.

BACKGROUND

Natural substances such as yellow soil and silicon dioxide mineral, and synthetic ceramic have been used in the whole field of industries such as medical instruments using infrared rays and things of life.

However, since the above-mentioned things is prepared by using the natural substances such as yellow soil and white soil as major components, content of a silicate (SiO:) is high, whereas contents of inorganic substances such as potasium, calcium, sodium, magnesium and iron are

very low. Thus, it is impossible to accomplish sympathy of energy and native wavelength between conventional substances and human body, animals and plants.

SUMMARY OF THE INVENTION

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It is an object of this invention to provide a vital matter activating original active rhythm of human body, animals and plants at a maximum level.

It is a further object of this invention to provide a producing method the vital matter.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

Since the vital matter of the present invention has a similar composition to a major inorganic substance of human body, animals and plants, the vital matter induces a resonance phenomenon by approaching to human body, animals and plants, so that sympathy of energy and native wavelength between it and human body, animals and plants is maximized.

In detail, when five or six bronze bells made from the same materials are hang and one of them rings, others ring with the same sound, which is a resonance phenomenon. The resonance phenomenon also occurs when drums or bowls made from the same materials are used for the above experiment. However, the resonance phenomenon does not occur if a drum or a bowl rings and vice versa. Therefore, it is

demonstrated that things made from the same materials induce sympathy of energy and native wavelength.

Otherwise, potassium, calcium, sodium, magnesium and iron are major components of inorganic substances of human body, animals and plants. Thus, the composition of the present invention is prepared by mixing various components at almost the same ratio as that of inorganic components of human body, animals and plants. Sympathy of energy and native wavelength between the composition of the present invention and human body, animals and plants, is maximized to activate active rhythm of human body, animals and plants at maximal level.

The composition of the present invention contains kaoline(white soil) 30.0-40.0wt%, potassium sulfate 15.0-20.0wt%, sodium sulfate 13.0-17.0wt%, feldspar 12.0-16.0wt%, talc 12.0-16.0% and ferric oxide 0.5-1.5wt%. The composition is mixed by a compressed molding method with water, dried and manufactured in random forms. The resulting composition becomes plastic at 1000-1300°C for its use in various forms.

The vital matter of the present invention prepared by the above-mentioned composition has components shown in the following Table 1.

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<Table 1> Average ratio of components of composition

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Components	Weight ratio(wt%)
Potassium(K)	19.06-23.29wt%
Calcium(Ca)	14.21-17.36wt%
Sodium(Na)	12.30-14.97wt%
Magnesium (Mg)	11.98-14.64wt%
Silicon(Si)	13.74-16.80wt%
Aluminum(Al)	12.21-15.13wt%
Iron (Fe)	3.48-4.26wt%
Titanium(Ti)	0.95-1.17wt%
Manganese (Mn)	0.28-0.40wt%
Zinc(Zn)	0.17-0.20wt%
Germanium(Ge)	0.07-0.09wt%
Selenium(Se)	0.03-0.04wt%
Other elements	1.36-1.67wt%

The major components of the composition of the present invention are potassium, calcium, sodium and magnesium, which is similar distribution with inorganic substances of human body, animals and plants. In addition, the composition of the present invention has an affinity for silicon and aluminium abundantly contained in soil.

Whereas, as shown in Table 2, general ceramic products contain large amounts of silicon and aluminium, and small amounts of potassium, calcium, sodium and magnesium.

<Table 2> Average ratio of components of general ceramic products

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Components	Weight ratio (wt%)
Aluminium(Al)	35.36-43.22wt%
Silicon(Si)	31.33-38.30wt%
Potassium(K)	7.73-9.45wt%
Magnesium(Mg)	3.56-4.36wt%
Iron(Fe)	3.52-4.31wt%
Calcium(Ca)	3.40-4.16wt%

Sodium(Na)	2.79-3.63wt%
Titanium(Ti)	0.03-0.04wt%
Other elements	2.10-2.57wt%

The ratio of components of general yellow soil ceramic is shown in Table 3.

5 <Table 3> Average ratio of components of general yellow soil ceramic

Components	Weight ratio(wt%)
Silicon dioxide(SiO2)	64.08-79.42wt%
Aluminium oxide((Al ₂ O ₃)	9.45-11.55wt%
Sodium oxide (NaO ₂)	3.32-4.02wt%
Ferric oxide (Fe ₂ O ₃)	2.93-3.58wt%
Potassium oxide(K ₂ O)	2.22-2.71wt%
Other elements	8.02-9.80wt%

As shown in Table 2 and 3, the general ceramic and the general yellow soil ceramic contains mostly silicon and aluminium as major components, and small amounts of potassium, calcium, sodium and magnesium which are associated with human body, animals and plants. Thus, Sympathy of energy and native wavelength between the general ceramic or the general yellow soil ceramic and human body, animals and plants, does not occur.

Hereinafter, the present invention is described in detail.

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Practical and presently preferred embodiments of the present invention are illustrative as shown in the following Examples.

However, it will be appreciated that those skilled in the art, on consideration of this disclosure, may make modifications and improvements within the spirit and scope of the present invention.

Example 1: Preparation of the vital matter

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The composition of the present invention contains the following components: i) Kaoline (white soil) 30-40wt%; ii) potassium sulfate 15.0-20.0wt%; iii) sodium sulfate 13.0-17.0wt%; iv) feldspar 12.0-16.0wt%; v) talc 12.0-16.0%; and vi) ferric oxide 0.5-1.5wt%.

In the above composition, potassium sulfate and sodium sulfate may be replaced by the same amounts of potassium chloride and sodium chloride ions. However, because a moisture drying efficiency of sulfate salts are better than that of chloride salts, the present inventors selected potassium sulfate and sodium sulfate to increase the moisture drying efficiency.

The composition was manufactured in form of minute powder of 100-150 mesh. After the composition was mixed by the compressed molding method or with 20-30wt% of water to mold in the fixed form, it was dried by hot wind at 40-80°C for 10-15 hours and heated 1000-1300°C for 2-3 hours to be plastic.

The manufactured composition was prepared in various form to be used for various industry.

The composition of the present invention activated active rhythm of human body, animals and plants at a maximum level by inducing sympathy of energy and native wavelength between it and human body, animals and plants. In addition, this activation by the composition of the present invention was superior to that by conventional ceramic products.

Generally, infrared rays irradiation of silicon is higher than that of potassium. Whereas, the composition of the present invention was excellent in bioaffinity and sympathy of energy and native wavelength between it and human body, animals and plants.

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Experiment 1: Physiological reactivity of the composition of the present invention and general ceramic products

The present inventors performed the physiological reactivity experiment of the composition and general ceramic products, and compared their physiological reactivities. The result was shown in Table 4.

<Table 4> The results of comparing the physiological
reactivity.

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Item	Refinement	Refinement	Deordorization	Freshness
	velocity of	velocity of		of
	coffee	tobacco	Refrigerator	vegetable
1	taste			s

Yellow soil	10 hours* (3 hours)	10 hours* (3 hours)	No effect	No effect
ceramic Medical ceramic	10 min* (20 sec)	5 min* (5 sec)	From -2 hours after starting	180% increase
Industrial ceramic	5 hours* (1 hour)	1 hour* (30 min)	From 5 hours after starting	130% increase
The composition of the	30 sec* (10 sec)	20 sec* (2 sec)	From 30 min after starting	250% increase
present invention				

<*:the experiment was performed at room temperature, (): the experiment was performed at 50°C

The composition of the present invention was superior to the conventional ceramic products in acting velocity and efficiency of refinement toward adventages of living body.

In addition, the composition was prepared in form of minute powder of 200-350 mesh and mixed with synthetic resin to the concentration of 5-30%. The resulting mixture can be used in various forms for industry:

For example, after the composition of the present invention was added to polyethylene film which has been used a vinyl house for cultivating plants, the present inventors cultivated the crops using the vinyl house made from the ployethylene film containing the composition of the present invention and the vinyl house made from general polyethylene film. The results was shown in Table 5.

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<Table 5> The results of cultivating the crops

crop	Average yield	1	
	Polyethylene	Polyethylene	Comparison
	film	film containing	(increasing
		the component	ratio)
Chinese	416 kg	499 kg	20% increase
cabbage			
Cucumber	422 kg	527 kg	25% increase
Tomato	575 kg	719 kg	25% increase
Red	179 kg	250 kg	40% increase
pepper			

(increase per 100 m² of cultivation areas)

As shown in Table 5, when the synthetic resin containing the compositin of the present invention was used, the yield of the crops was increased more about 20-40% than that when the general synthetic resin was used. Therefore, these results demonstrate that the composition of the present invention accelerates physiological activity of plants.

INDUSTRIAL APPLICABILITY

The composition of the present invention, a vital matter for human body, animals and plants, can maximize sympathy of an activation energy and a native wavelength between it and human body, animals and plants. Thus, the composition of the present invention can be used for industry and will cause the original changes in the field of industrial matters.

In detail, for example, the composition of the present invention can be used all the industries including building materials and raw materials of various synthetic resins (especially, vinyl, plastic, etc.), various food containers, cosmetics and cosmetics containers, various instruments (especially, medical instruments using far medicines containers, rays), medicines and infrared containers for cultivating various plants, deordorants and agricultural chemicals. products such as chemical Therefore, it is expected that the composition of the present invention, the vital matter for human body, animals and plants, will promote the welfare of human beings such as improvement of health and life of human.

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Those skilled in the art will appreciate that the conceptions and specific embodiments disclosed in the foregoing description may be readily utilized as a basis for modifying or designing other embodiments for carrying out the same purposes of the present invention. Those skilled in the art will also appreciate that such equivalent embodiments do not depart from the spirit and scope of the invention as set forth in the appended claims.

What is Claimed is

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- 1. A vital matter and a producing method thereof, wherein the vital matter is prepared by the following steps: 1) preparing a composition containing kaoline (white soil) 30.0-40.0wt%, potassium sulfate 15.0-20.0wt%, sodium sulfate 13.0-17.0wt%, feldspar 12.0-16.0wt%, talc 12.0-16.0% and ferric oxide 0.5-1.5wt% (step 1); and 2) mixing the above-mentioned compositin using a compressed molding method (step 2); and 3) heating the mixed composition at 1000-1300°C (step3).
- 2. The vital matter and the producing method thereof according to claim 1, wherein potassium sulfate and sodium sulfate are replaced by the same ratio of each molecular weight of sodium chloride and sodium chloride.
- 3. The vital matter and the producing method thereof according to claim 1, wherein the vital matter is composed of potassium 19.06-23.29wt%, calcium 14.21-17.36wt%, sodium 12.30-14.97wt%, magnesium 11.98-14.64wt%, silicon 13.74-16.80wt%, aluminium 12.21-15.13wt%, iron 3.48-4.26wt%, titanium 0.95-1.17wt%, manganese 0.28-0.40wt%, zinc 0.17-0.20wt%, germanium 0.07-0.09wt%, selenium 0.03-0.04wt% and other elements 1.36-1.67wt%.
 - 4. The vital matter and the producing method thereof

according to claim 1, wherein a composition of the vital matter is used in combination with synthetic resins after prepared in form of minute powder of 200-350 mesh.

INTERNATIONAL SEARCH REPORT

International application No. PCT/KR00/00177

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C04B 33/04, C04B 22/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimun documentation searched (classification system followed by classification symbols)

IPC 7 C04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fileds searched Korean Patents and applications for inventions since 1975

Electronic data base consulted during the intertnational search (name of data base and, where practicable, search trerms used) NPS, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Α	KR 96-14048 A (KIM, J H) 22 MAY 1996 see the whole document	1 - 4
Α	US 4960737 A (CORING INCORPORATED) 02 OCTOBER 1990 see the whole document	1 - 4
A	JP 68-182163 A (KABUSHIKI KAISHA TOSHIBA) 22 JANUARY 1992 see the whole document	1 - 4
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Further documents are listed in the continuation of Box C.	X See patent family annex.
Special categories of cited documents: "A" document defining the general state of the art which is not considered	"T" later document published after the international filing date or priority
to be of particular relevence	date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevence; the claimed invention cannot be considered novel or cannot be considered to involve an inventive
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"P" document published prior to the international filing date but later than the priority date claimed	"&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
15 JUNE 2000 (15.06.2000)	19 JUNE 2000 (19.06.2000)
Name and mailing address of the ISA/KR	Authorized officer
Korean Industrial Property Office Government Complex-Taejon, Dunsan-dong, So-ku, Taejon Metropolitan City 302-701, Republic of Korea	KIM, Yong Jung
Facsimile No. 82-42-472-7140	Telephone No. 82-42-481-5557

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR00/00177

1	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
	KR 96-14048 A	22-05-96	NONE	NONE
Į	US 4960737 A	02-10-90	BR 8904466 A EP 360404 A1 JP 2160661 A2	17-04-90 28-03-90 20-06-90
1	P 62-182163 A	23-09-89	EP 231130 A2 KR 8903510 B1	05-08-87 23-09-89

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference EMYANGSANGTO	FOR FURTHER ACTION	see Notification of (Form PCT/ISA/220	Transmittal of International Search Report) as well as, where applicable, item 5 below	t N.
International application No.	Intrenational filing date		(Earliest) Priority Date (day/month/year)	\dashv
	07 MARCH 2000 (07		09 MARCH 1999 (09.03.1999)	
PCT/KR00/00177	07 WARCH 2000 (07		03 WARCH 1999 (09.03.1999)	
Applicant				
SONG, Si-Hoon				
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It is also accompanied by a co	py of each prior art docum	nent cited in this repo	rt.	
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the statement that the informa furnished.	tion recorded in computer	readable form is iden	ntical to the written sequence listing has been	n
2. Certain claims were found u	nsearchable (See Box I).			
3. Unity of invention is lacking	(See Box II).			
4. With regard to the title,				
X the text is approved as submit	ted by the applicant.			
the text has been established by		as follows:		
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5. With regard to the abstract,			:3	
the text is approved as submit				
the text has been established,	according to Rule 38.2(b)	, by this Authority as	s it appears in Box III. The applicant may,	
within one month from the da	te of mailing of this interr	national search report	, submit comments to this Authority.	
6. The figure of the drawing to be put	olished with the abstract is	s Figure No.		
as suggested by the applicant			None of the figures.	
because the applicant failed to	o suggest a figure.			
because this figure better char	racterizes the invention.			
	v + '		Section 1997	

A. CLASSIFICATION OF SUBJECT MATTER IPC7 C04B 33/04, C04B 22/14 According to International Patent Classification (IPC) or to both national classification and IPC FIELDS SEARCHED Minimun documentation searched (classification system followed by classification symbols) IPC 7 C04B Documentation searched other than minimun documentation to the extent that such documents are included in the fileds searched Korean Patents and applications for inventions since 1975 Electronic data base consulted during the intertnational search (name of data base and, where practicable, search trerms used) NPS, PAJ DOCUMENTS CONSIDERED TO BE RELEVANT Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. KR 96-14048 A (KIM. J H) 22 MAY 1996 1 - 4 Α see the whole document 1 - 4 US 4960737 A (CORING INCORPORATED) 02 OCTOBER 1990 see the whole document 1 - 4 JP 68-182163 A (KABUSHIKI KAISHA TOSHIBA) 22 JANUARY 1992 Α see the whole document Further documents are listed in the continuation of Box C. X See patent family annex. Special categories of cited documents: "T" later document published after the international filing date or priority document defining the general state of the art which is not considered date and not in conflict with the application but cited to understand to be of particular relevence the principle or theory underlying the invention earlier application or patent but published on or after the international "X" document of particular relevence; the claimed invention cannot be filing date considered novel or cannot be considered to involve an inventive "L" document which may throw doubts on priority claim(s) or which is step when the document is taken alone cited to establish the publication date of citation or other "Y" document of particular relevence; the claimed invention cannot be special reason (as specified) considered to involve an inventive step when the document is document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination means being obvious to a person skilled in the art document published prior to the international filing date but later "&" document member of the same patent family than the priority date claimed Date of the actual completion of the international search Date of mailing of the international search report 15 JUNE 2000 (15.06.2000) 19 JUNE 2000 (19.06.2000)

Authorized officer

KIM. Yong Jung

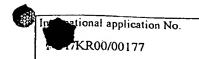
Telephone No. 82-42-481-5557

Facsimile No. 82-42-472-7140 Form PCT/ISA/210 (second sheet) (July 1998)

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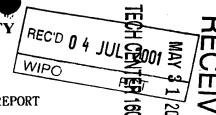
Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR 96-14048 A	22-05-96	NONE	NONE
US 4960737 A .	02-10-90	BR 8904466 A EP 360404 A1 JP 2160661 A2	17-04-90 28-03-90 20-06-90
JP 62-182163 A	23-09-89	EP 231130 A2 KR 8903510 B1	05-08-87 23-09-89

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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Artcle 36 and Rule 70)

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Applicant's or agent's file reference 0FPO-06-15	FOR FURTHER ACTION SeeNotificationofTransmittalofInternationalPreliminary Examination Report (Form PCT/IPEA/416)			
International application No.	International filing date(da	y/month/year)	Priority date (day/month	lyear)
PCT/KR00/00177 07 MARCH 2000		2000)	09 MARCH 1999 (09.0	03.1999)
International Patent Classification (IPC IPC7 C04B 33/04, C04B 22/14	c) or national classification a	nd IPC		
Applicant SONG, Si-Hoon				
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These annexes consist of a total	l of sheets			
IV Lack of unity of in V X Reasoned statement citations and explain VI Certain documents VII Certain defects in	t of opinion with regard to no evention ent under Article 35(2) with a anations supporting such stat	ovelty, inventive steregard to novelty, in		
Date of submission of the demand		Date of completion	of this report	-
08 SEPTEMBER 2000 (08.09	.2000)	27 JUNE 2	2001 (27.06.2001)	
Name and mailing address of the IPE	A/KR	Authorized officer		James James
Korean Intellectual Property Office Government Complex-Daejeon, Dur Metropolitan City 302-701, Republic	ısan-dong, Seo-gu, Daejeon	KIM, Sang E	un	
Facsimile No. 82-42-472-7140		Telephone No. 82	-42-481-5568	2006 Section

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International aplication No.

PCT/KR00/00177

I.	Basi	sis of the report	
1.	With	th regard to the elements of the international application:*	
	X	the international application as originally filed	ļ
	$\overline{\sqcap}$	the description:	
		pages	, as originally filed , filed with the demand
		pages, filed with the letter of	·
		the claims: pages	, as originally filed
		pages , as amended (toget	her with any statment) under Article 19
		pages, filed with the letter of	, filed with the demand
	_		
		the drawings: pages	, as originally filed
		Dages	, filed with the demand
		pages, filed with the letter of_	
		the sequence listing part of the description:	
		pagespages	, as originally filed , filed with the demand
		pages, filed with the letter of	
2.	the The X	With regard to the language, all the elements marked above were available or furnished to the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the purposes of international search (under the language of a translation furnished for the language of a trans	this Authority in the language in which is r Rule 23.1(b)). ary examination(under Rules 55.2 and/
3.	. W	preliminary examination was carried out on the basis of the sequence listing:	
		contained inthe international application in written form.	
		filed together with the international application in computer readable form.	
		furnished subsequently to this Authority in written form.	
i	\sqcap	furnished subsequently to this Authority in computer readable form	
		The statement that the subsequently furnished written sequence listing does international applicationas as filed has been furinshed. The statement that the information recorded in computer readable form is identified.	
		been furnished.	
4.		The amendments have resulted in the cancellation of: the description, pages the claims, Nos. the drawings, sheet	
5.		This opinion has been drawn as if (some of) the amendments had not been made beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c))	, since they have been considered to go
•	in t	eplacement sheets which have been furnished to the receiving Office in response to an in In this opinion as "originally filed." and are not annexed to this report since they do n and 70.17).	vitation under Article 14 are referred to not contain amendments (Rules 70.16
•	* Any	ny replacement sheet containing such amendments must be referred to under item I and	annexed to this report.

INTERNATIONAL PRELIMINARY EXAMINATION

International aplication No. PCT/KR00/00177

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Statement			
Novelty (N)	Claims	1-4	YES
	Claims		NO
Inventive step (IS)	Claims	1-4	YES
. ,	Claims		NO NO
Industrial applicability (IA)	Claims	1-4	YES
•	Claims		NO

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

- D1) KR 96-14048 A
- D2) US 4960737 A
- D3) JP 4-3226 B

The vital matter of the claimed invention has a similar composition-kaoline, potassium sulfate, sodium sulfate, feldspar, talc, and ferric oxide-to the inorganic substance of human body, animal, and plants.

The inventions described in D1-D2 don't relate to a biocompatible composition and don't disclose the ingredient of the claimed invention.

D3 is similar to the claimed invention' objective but differs in the ingredient and ratio.

None of these documents(D1-D3) teach or fairly suggest the ingredients and ratios of the present invention.

Therefore, the invention claimed in 1-4 is novel, involves an inventive step, and is considered to be industrially applicable as specified by PCT Article 33(2), (3), and (4).